



A National Vision



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Improving School Safety through Real Time Interoperable Communications and Multimedia Collaboration

Situational Awareness, Time to Response and Coordination Save Lives

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THIS CAN BE ACCOMPLISHED TODAY SIMPLY, AND EFFECTIVELY AND AFFORDABLY

FOR ANY CONNECTICUT SCHOOL IN A TIME OF CRISIS, THE FOLLOWING EMERGENCY CAPABILITIES SHOULD BE PRESENT

- School personnel can seamlessly communicate with First Responders during emergencies using their own existing communications equipment
- First Responders Agencies and Partner Response Agencies can seamlessly communicate with each other in response to a crisis
- C2 must seamlessly interoperate with all joint response agencies
- Emergency Support Agencies must seamlessly communicate with c2, and First Responders on the ground and with each other, as needed
- Government executive Leadership at Local, State and Federal Levels must be able to seamlessly communicate with C2 and the ground as needed
- Live video from the School surveillance and video systems must be shared with Responders in real time and with necessary partner Agencies during and post incident
- First Responders should be able remotely issue directives over Public Address systems

THIS CAN BE DONE

- Affordably using existing equipment
- Simply with plug and play technology
- Securely and protecting school privacy and agency sovereignty
- With Minimal Training
- Complementing Incident Command System (ICS)and Enabling Emergency Exercises

“OLD” TACTICAL RESPONSE POSTURE

- Cordon and control perimeter
- Wait for SWAT, make communications contact, negotiate, deescalate and respond

“NEW” TACTICAL RESPONSE POSTURE

- Legacy of Columbine and subsequent Active Shooter scenarios
- Assume active intent to do harm
- Immediate entry and active engagement of suspect
 - Neutralize suspect(s) through necessary force as quickly as possible
 - Impede ability of suspect to freely move and find victims to target
 - Lockdown and shelter in secure places

EFFECTIVE AND QUICK RESPONSE TO A CRISIS REQUIRES ACTIONABLE INFORMATION IN REAL TIME

- How many shooters
- What do they look like
- What do they have
- Where are suspects and where they moving to
- What is the physical environment layout
- Where are students located
- Whose hurt

GOAL IS TO GET RESPONDER “EYES AND HEARS” ON THE SITUATION AS QUICKLY AS POSSIBLE IN REAL TIME

- Need to communicate and coordinate with in scene leadership and witnesses
- Need to see what’s happening inside the school as event unfolds
- Need to coordinate with primary response and emergency support agencies

THE CURRENT CHALLENGES



- First Responder Agencies have incompatible radio communication systems in many instances, especially cross jurisdictional agencies
- Schools often have radio communication systems that don't seamless communicate with responder agencies (donor radios don't work in crisis)
- Many schools have passive surveillance video systems for internal use after an incident.
- Giving Police direct access to school surveillance systems raises student privacy and educational personnel privacy concerns

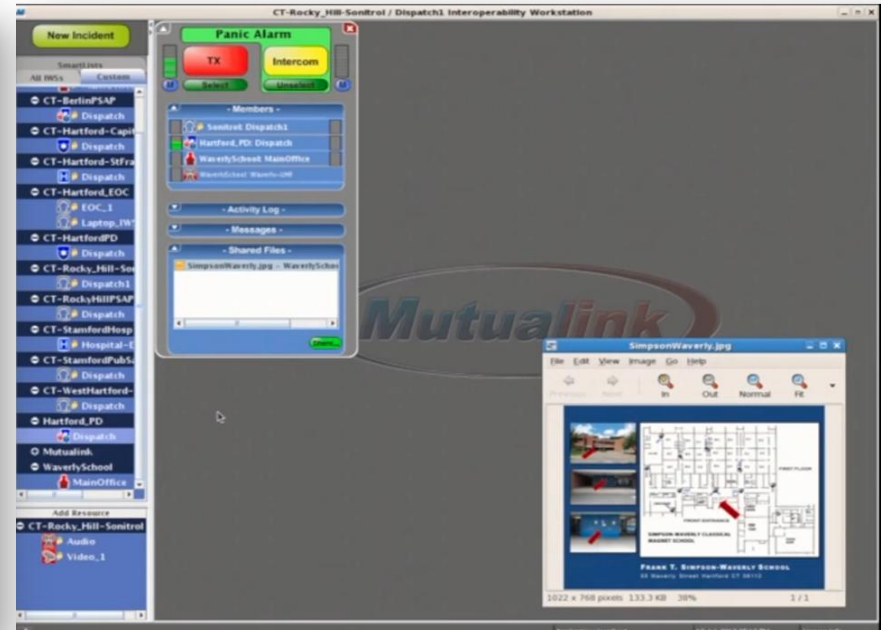
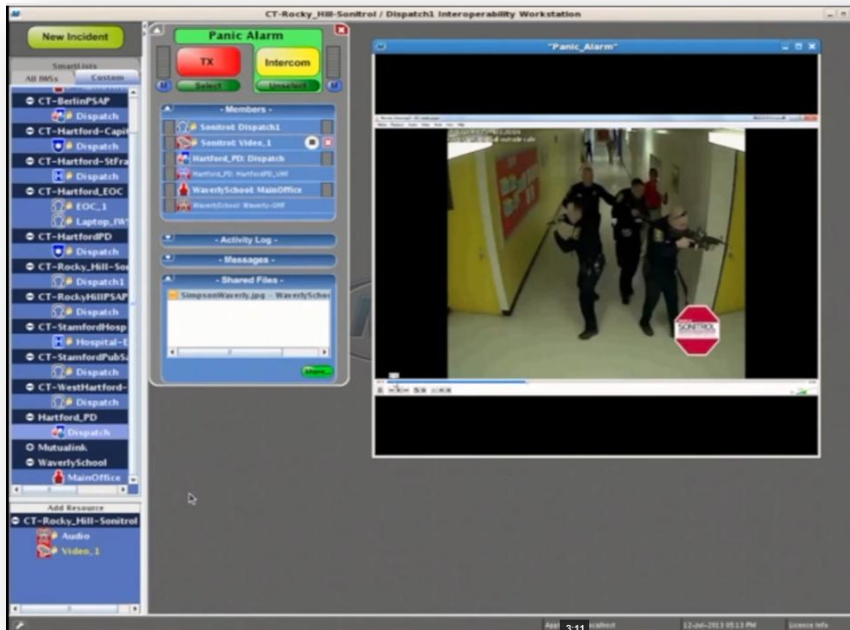
THE EFFECT

- Responders cannot communicate with school personnel, except through dispatch relay of 911 calls
- Responders from different agencies cannot seamlessly communicate and are hampered on scene
- Emergency Support agencies (hospitals) and other critical infrastructure not in real time communications
- First Responders are walking into a facility “blind” not knowing where suspects are
- First responders are challenged by unfamiliar layouts
- First Responders have no overhead eyes on them to assist
- Incident Command and Government leaders have less information as to what is going on

THE IMPACT

- Slowed Response Time, Slowed Entry, Slowed Movement
- Increased Risk of misidentification of suspects
- Higher Risk to Responders of Ambush
- Delays in establishing and controlling safe areas and evacuation routes
- Delays in delivering on scene medical triage and trauma care
- Delays in evacuating to medical centers
- Delays in coordinating among available medical facilities and standing up trauma response resources

THE SIMPSON-WAVERLY SCHOOL ACTIVE SHOOTER EXERCISE



Enabling seamless real time Communications, Video and Information
Sharing bridging Schools First Responders and Emergency Support Agencies



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WHAT HAPPENED



- Wireless Silent Panic Alarm Pushed
- Communications between School Staff, Sonitrol Dispatch and Police Dispatch immediately opened
- Principal shelters and uses daily walkie-talkie to communicate directly with dispatch and responding officers – alerted to immediate entry at school front entrance
- School Resource Officer (SRO) and Response Police Team Radios Join Communications
- Hartford EOC alerted and begins monitoring incident communications and video
- Suspect identified by Police Dispatch using video and suspect description relayed to scene
- School Floor plan is shared with all participants, including Responding Officers
- Responding Officers directed By Police Dispatch monitoring suspect movements over school video
- School PA used via Police Radios to issue instructions
- Commander on the Scene is receiving video from inside school and seeing what is happening and directing team
- Police Response team is streaming live video back from mobile device and is shared with command and EOC
- St. Francis Emergency alerted and placed on standby and updated live

WHAT THE EXERCISE REVEALED



- Quick Info and Alert - The silent a panic alarm opened immediate communications with SRO, School and Police - in seconds nature of incident known
- Video sharing to Police allows quick identification and monitoring of suspect movements and location, and weapons— providing key information for responding officers, and quicker entry and movement to suspect and control of safe areas
- Video and layout provided situational awareness – responders directed down correct halls and able to get idea where things were
- Communication between school staff and responders created awareness of what was happening and what to do in dynamic circumstances
- Using mobile devices with two-way video and communications seamlessly connected, response teams were able to stream video out providing additional real time awareness
- Essential emergence response agencies were seamlessly communication and coordinating for medical response.

RESULT >>> Faster Response Time, Quicker Suspect Engagement, Improved Officer Awareness and Safety, Quicker establishment of control safe areas, real-time coordination with School Personnel and coordination with support and partner agencies **>>> LIVES SAVED**